



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

646.2910

Job Sheet 200356



Part No: 646.2910

Job Qty: 12 pcs

Part Name: Deflector



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/10/19

Job Tracking No:

Due Date: 10/15/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG 646.2900 REV:N/C IPP REV A 18.05.01 RQ VERIFIED BY DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Bandsaw - 1	12 pcs	10/15/19	10/15/19	0.00	0.02	Bandsaw - 1		mml 19/10/19
110	HAAS 4 Axis - B4B	12 pcs	10/15/19	10/15/19	0.15	8.00	HAAS - 1 - B4B		
							HAAS - 2 - B4B		
							HAAS - 3 - B4B		
							HAAS - 4 - B4B		mml 19/10/19
120	QC 2	12 pcs	10/15/19	10/15/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		mml 19/10/19
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		



Container No: S220095



Part: 646.2910

Job No: 200356

Serial No/Batch: S220095

Revision: N/C

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 10/06/19

				QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
130 QC 8	12 pcs	10/15/19	0.00 0.00	QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
				QC 8 - 76	
140 Outsource - 4 - Anodize	12 pcs	10/15/19		ATG001-VC	8
150 Packaging 2-1 - Receive - B4B	12 pcs	10/15/19	0.00 0.00	Packaging 2 - 1 - B4B	
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	

2019-10-10

2019-10-15

DEC 11 2019

				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
155	QC 6	12 pcs	10/15/19	0.00 0.00	QC 6 - 9
					QC 6 - 68
					QC 6 - 61
					QC 6 - 40
					QC 6 - 81
180	Packaging 3-1 - Stock - B4B	12 pcs ✓	10/15/19	0.00 0.00	Packaging 3 - 1 - B4B
Oscar					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B ✓
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B

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DEC 12 2019

DEC 12 2019

					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
190 QC 21 - SA <i>OK</i>	12 pcs	✓	10/15/19	0.00 0.00	QC 21 - SA - 21 ✓	CCK050
					QC 21 - SA - 70	DAS
					QC 21 - SA - 53	DEC 12 2019

Part Op 100 - (Bandsaw) 42.600" long
 Descriptions: 110 - (HAAS CNC Vertical Machine)
 120 - (QC2- Inspect parts off machine FA/FAIB)
 130 - (QC8- Inspect parts - second check)
 140 - (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG : 44771 Hard Anodize, Color Black / Prime As per Dwg 646.2900 Rev. N/C
 150 - (Receive & Inspect for Damage & Mat'l Certs)
 155 - (QC6- All purchased or subcontracted products)
 180 - (Identify as per dwg & Stock Location: _____) ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***
 190 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
646.2900E	Deflector	43.2000 ft (3 ea)	100-Bandsaw - 1	SOGG305

Job Allocations					
Operation	Component Part	Required	Inventory	Allocated	
100-Bandsaw - 1	646.2900E	43	796	0	
Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Deflector	0.360inches $\pm$ 0.010	0.370 0.350		
2	Deflector	1.320inches $\pm$ 0.010	1.330 1.310		
3	Deflector	3.300inches $\pm$ 0.010	3.310 3.290		
4	Deflector	3.000inches $\pm$ 0.010	3.010 2.990		
5	Deflector	0.360inches $\pm$ 0.010	0.370 0.350		
6	Deflector	190.000inches $\pm$ 0.010	190.010 189.990	Radius	
7	Deflector	0.090inches $\pm$ 0.010	0.100 0.080	Radius	
8	Deflector	1.000inches $\pm$ 0.010	1.010 0.990		
9	Deflector	42.380inches $\pm$ 0.010	42.390 42.370		
10	Deflector	20.000Degrees $\pm$ 0.010	20.010 19.990	Angle	

Plex 9/10/19 1:52 PM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Dart Aerospace Ltd.
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K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER POHB044771



Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044771
PO Date: 10/15/19
Due Date: 10/29/19
Purchase Order Revision:
Revision Date:
Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com
Via: Ground
Pynt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	200356	646.2910	646.2900 Rev N/C	Deflector : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Anodize, Color Black / Prime As per Dwg 646.2900 Rev. N/C	Firmed	-	10/29/19	12 pcs	0 pcs	12 pcs	\$48.74/pcs	\$584.88
2	201250	D4703-043	D4703 Rev B	Lock Pin Base : Various STC's Issue P/O to ATG: -HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS 2 -As Per Dwg D4703 -Material type: 6061T6 -Certificate of Conformity is required	Firmed	-	10/29/19	10 pcs	0 pcs	10 pcs	\$3.44/pcs	\$34.40



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Items												
Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	198841	D4842-4	D4842 Rev B	Lower Cutter Body, RH Issue P/O : AS PER DWG D4842 HARD ANODIZE IAW MIL-A- 8625 TYPE III, CLASS 2, COLOR BLACK, PRIME IAW MIL-P- 23377 J TYPE I CLASS N; 1-2 MIL MAX, AS PER QSI 005, C OF C IS REQUIRED	Firmed	-	10/29/19	16 pcs	0 pcs	16 pcs	\$10.99/pcs	\$175.84
4	198840	D4842-3	D4842 RevB	Lower Cutter Body, LH Issue P/O : AS PER DWG D4842 HARD ANODIZE IAW MIL-A- 8625 TYPE III, CLASS 2, COLOR BLACK, PRIME IAW MIL-P- 23377 J TYPE I CLASS N; 1-2 MIL MAX, AS PER QSI 005, C OF C IS REQUIRED	Firmed	-	10/29/19	16 pcs	0 pcs	16 pcs	\$10.99/pcs	\$175.84
5	200585	646.3210	646.3200 Rev NC	Support : Various STC's Issue P/O to ATG : 1- Hard Anodize Color Black and Prime as per Dwg 646.3200	Firmed	-	10/29/19	20 pcs	0 pcs	20 pcs	\$15.09/pcs	\$301.80
6	197033	649.4813	649.4800 Rev E	Shim : Various STC's Outsource4 (Outsource process-Anodize per QSI017 4.1:10.1)ISSUE P/O: As Per MPP-172 Section 2.1, Hard Anodize IAW MIL-A- 8625, Type III, Class 2, Color Black As Per MPP-172 Section 4.2 Prime IAW MIL-P- 23377J Type1 Class N	Firmed	-	10/29/19	26 pcs	0 pcs	26 pcs	\$6.99/pcs	\$181.74
7	200990	646.3712	646.3700 Rev A	Clip : Various STC's Issue P/O to ATG : Hard Anodize, Color Black and Prime as Per Dwg 646.3712 Rev. A	Firmed	-	10/29/19	25 pcs	0 pcs	25 pcs	\$6.84/pcs	\$171.00



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PURCHASE ORDER

POHB044771



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
8	200588	646.3711	646.3700 Rev A	Clip : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.3700 Rev. A	Firmed -		10/29/19	24 pcs	0 pcs	24 pcs	\$6.84/pcs	\$164.16
9	200365	646.3312	646.3300 Rev A	Center Plate : Various STC's Issue P/O to ATG : Hard Anodize Color Black, Prime as per Dwg 646.3300 Rev. N/C	Firmed -		10/29/19	20 pcs	0 pcs	20 pcs	\$12.79/pcs	\$255.80
											Grand Total:	\$2,045.46

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/28/19 8:35 AM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 919192

Date: 10-Dec-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
12 ea	Part: 646.2910 Rev: N/C Deflector Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot#: 5195271 Expiry Date: 10/31/2020 Job: 26313 Line: 1 PO: POHB044771		
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: DEC 10 2019 Certified Signature:  Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			

RECEIVED

DEC 11 2019

DART AEROSPACE LTD.